Title (en)
WDM RING NETWORK FOR FLEXIBLE CONNECTIONS

Title (de)
WDM-RINGNETZWERK FÜR FLEXIBLE VERBINDUNGEN

Title (fr)
RESEAU EN ANNEAU MRL POUR CONNEXIONS SOUPLES

Publication
EP 1407568 A1 20040414 (EN)

Application
EP 02749488 A 20020712

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- US 30560001 P 20010717

Abstract (en)
[origin: WO03007521A1] A broadcast and select ring network for optical WDM communicationincludes two parallel fiber rings (1a, 1b) carrying traffic in oppositedirections between nodes (3; A, B, C, D). The nodes comprise on their receive side selecting means such as a cross connect device (21) or similar means allowing a flexible selection of the wavelength channels which are to be received by each node. Thereby, any WDM channel in the rings can be selected and received in the nodes. For example, all nodes can receive signals in the same channel for e.g. set up or reconfigurationpurposes. Furthermore, the number of receivers in a node can be smallbut still all channels can be received. The number of transmitters in eacha node can also be small since every transmitter can reach every receiver.

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IPC 8 full level
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CPC (source: EP US)
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